ORDER NO. ARD-7709101C

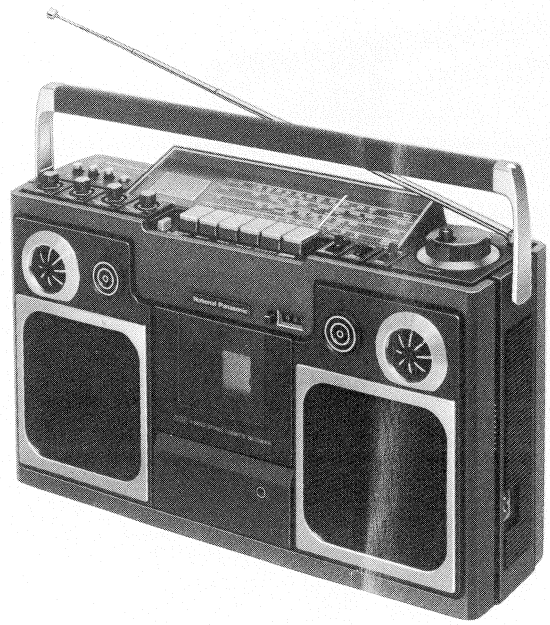
Service Manual

Stereo Radio Cassette

RS-4300LJS-E

12160261 91019315 16
SM-RS4300LJS
SERVICE MANUAL

Portable Stereo Cassette Recorder with 4-Band Radio



RS-466 MECHANISM SERIES

Specifications (Catalog specifications for sales)

Power requirement:	AC; 90~109/110~125/200~219/220~250V, 50/60Hz Power consumption; 16W Battery; 9V, (six-R20 size dry batteries)
Motor:	Electronic governor motor
Power output:	7W (2×3.5W)··· RMS (max.)
Frequency response:	50~14,000Hz (with CrO_2 tape) 50~12,000Hz (with normal tape)
Recording system:	AC bias, AC erase
Operation:	Push button operation with Auto-Stop mechanism and mechanical pause
Tape speed:	4.8cm/s
Program time:	1 hour with C-60 cassette tape
Fast forward and rewind time:	Approx. 90 seconds with C-60 cassette tape
Track system:	4-track 2-channel stereo recording and playback
Input:	MIC; sensitivity 0.25mV/applicable microphone impedance 200Ω~600Ω (recommended microphone RP-8135) LINE; sensitivity 60mV/50KΩ DC IN; 9V
Output:	LINE; output level 0.36V at 30mW power output/load impedance 50KΩ over EXT SP; 8Ω REMOTE; for start and stop at hand
REC/PB connection:	5P DIN type
Speaker:	Woofer; 12cm PM dynamic speaker Tweeter; 3cm PM dynamic speaker
Radio frequency range:	FM; 87.5~108MHz MW; 525~1605kHz LW; 145~285kHz SW; 5.9~18MHz
Dimensions:	40.8cm(W)×22.4cm(H)×10.9cm(D)
Weight:	5.3kg

Specifications are subject to change without notice for further improvement.

National Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

LOCATION OF CONTROLS AND COMPONENTS

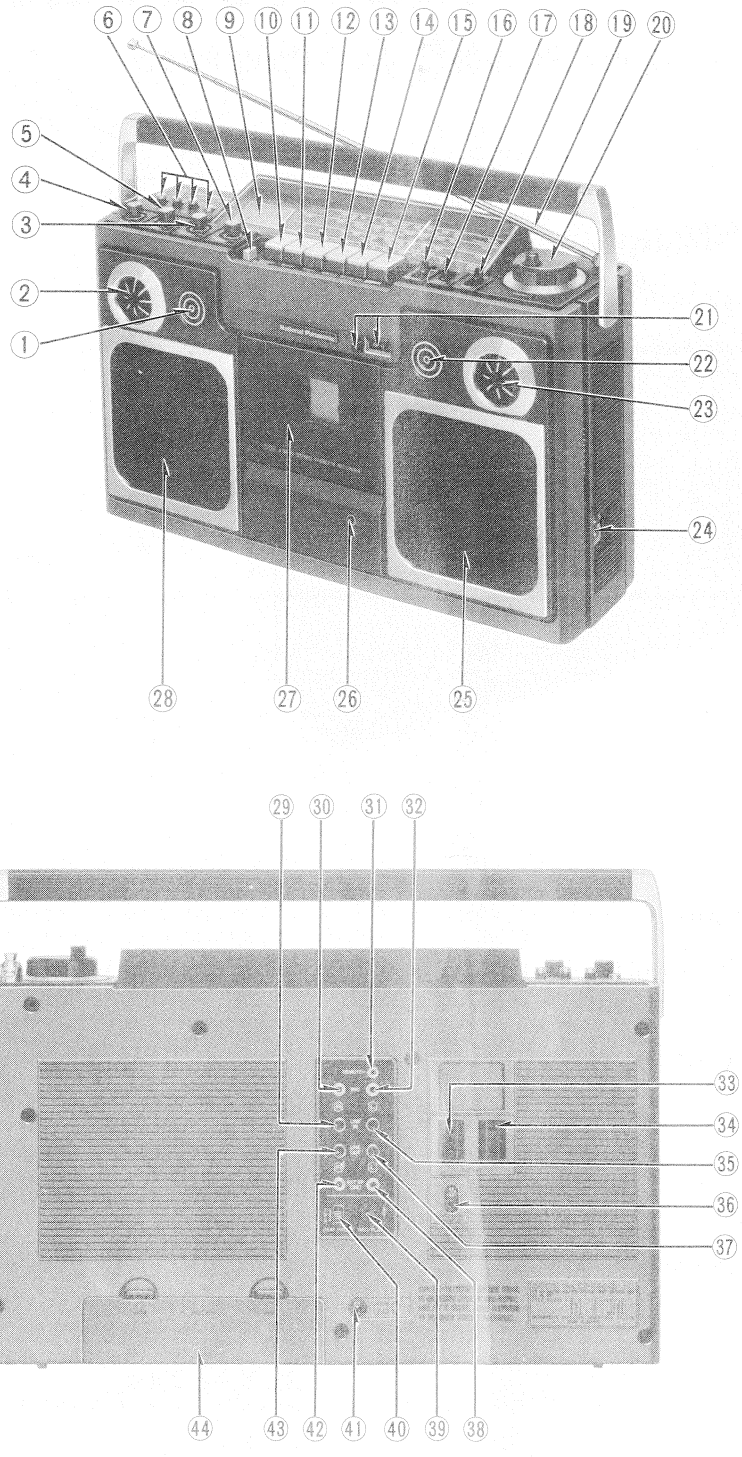


Fig. 1

① Built-in microphone (Left)
② Tweeter (Left)
③ Balance control
④ Bass control
⑤ Treble control
⑥ Band selectors
⑦ Volume control
⑧ Ejection button
⑨ Level meter
⑩ Pause button
⑪ Stop button
⑫ Playback button
⑬ Fast forward/cue button
⑭ Rewind/review button
⑮ Record button
⑯ Source selector
⑰ Tape selector
⑱ Mode selector
⑲ Rod antenna
⑳ Tuning control
㉑ Tape counter and reset button
㉒ Built-in microphone (Right)
㉓ Tweeter (Right)
㉔ AC connection socket
㉕ Speaker (Right)
㉖ Headphones jack
㉗ Cassette compartment cover
㉘ Speaker (Left)
㉙ Line input jack (Right)
㉚ Microphone jack (Right)
㉛ Remote-control connection jack
㉜ Microphone jack (Left)
㉝ External antenna jack (FM)
㉞ External antenna jack (MW)
㉟ Line input jack (Left)
㊱ Voltage selector
㊲ Line output jack (Left)
㊳ External speaker jack (Left)
㊴ Recording/playback jack
㊵ Beat proof switch
㊶ Car battery input jack
㊷ External speaker jack (Right)
㊸ Line output jack (Right)
㊹ Battery compartment

DISASSEMBLY INSTRUCTIONS

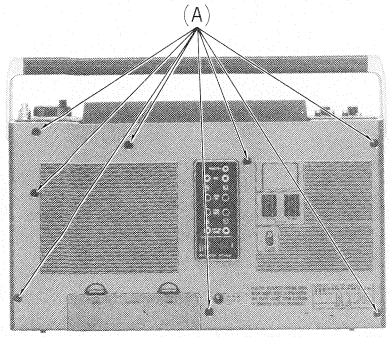


Fig. 2

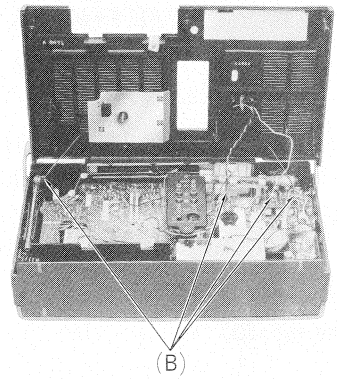


Fig. 3

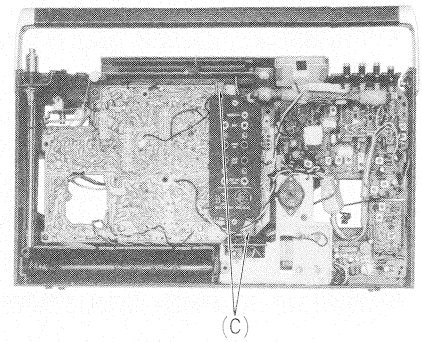


Fig. 4

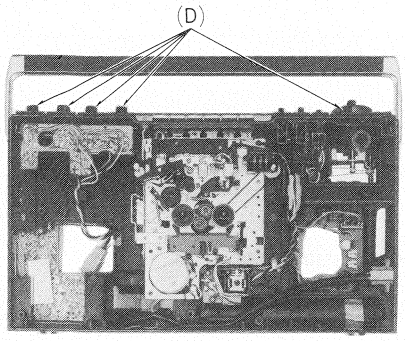


Fig. 5

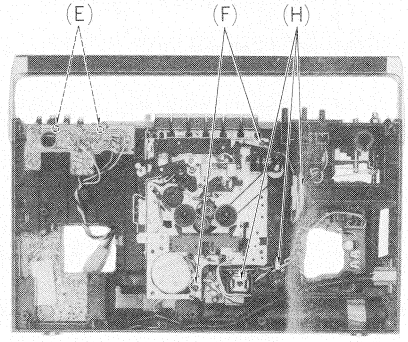


Fig. 6

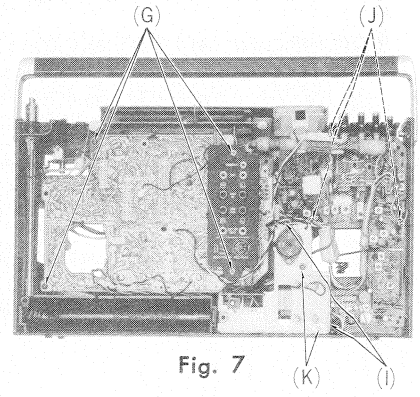


Fig. 7

Procedure	To remove ——.	Remove ——.	Pcs.	Shown in fig. ——.
1	Rear panel	(A), (B)	8, 4	2, 3
1	Front panel	(C)	2	4
2	Controller panel	(D)	5	5
3	Volume circuit board	(E)	2	6
4	Mechanism unit	(F)	2	6
4	Main circuit board	(G), ※1, ※2	4	6, 7
4	Radio circuit board	(I), ※3, ※4	2	7
4	Power source unit	(K)	2	7

※1; When the main circuit board is turned over, loosen the clamps at location (H) on the speaker side of the set.

※2; When the main circuit board is installed, be sure that the shafts of the tape selector and the source selector are completely connected with their respective select levers (See fig. 8).

※3; The radio circuit board is hooked to the body case in 3 places (J). When it is turned over, therefore, care should be taken concerning these hooked parts.

※4; When the radio circuit board is installed, make connection only after first turning the variable capacitor and dial drum all the way to the end.

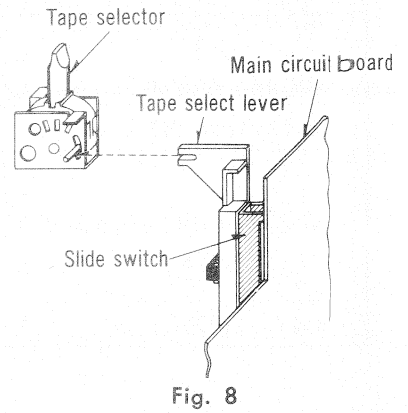


Fig. 8

ADJUSTMENTS

MEASUREMENT AND ADJUSTMENT METHODS

A. PRESSURE ROLLER ADJUSTMENT (See fig. 9)

1. Set into playback mode.
2. Connect the spring gauge to pressure roller lever and pull it in the direction of the arrow as shown in fig. 9.
3. Measure the tension at the moment when the pressure roller moves away from the capstan.
   Standard pressure: 390±60 gr
4. If the pressure is out of tolerance, bend the part (a) of the pressure roller lever spring (M8) in either direction shown by the arrow until the correct pressure is attained.

B. TAKEUP TENSION ADJUSTMENT (See fig. 10)

1. Insert cassette torque meter (SRK-CT).
2. Set into playback mode and read the value.
   Standard takeup tension: 55±15 gr-cm
3. If the tension is out of tolerance, turning the plate spring, adjust frictional force.

C. RECORDING BIAS CURRENT ADJUSTMENT (See fig. 11)

1. Connect 100Ω resistor as shown in fig. 11.
2. Connect VTVM to both ends of 100Ω resistor.
3. Set into record mode, read voltage on VTVM.
   Standard voltage: 45±10 mV (Normal)
   55±10 mV (CrO_2)
4. If the voltage is out of tolerance, adjust VR9 (Left), VR10 (Right) until the VTVM indicates above value.

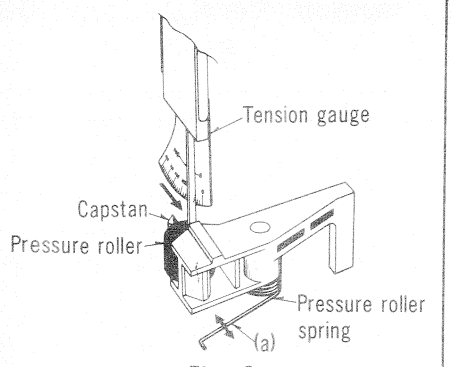


Fig. 9

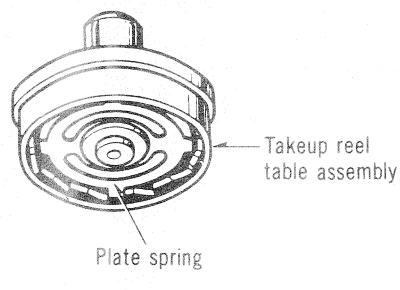


Fig. 10

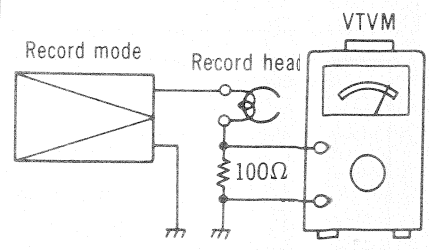


Fig. 11

D. OTHER SPECIFICATIONS FOR REFERENCE

ITEM	VALUE	REMARKS
Tape speed deviation	±1.5% or less	Use 3 kHz test tape (C-WAT).
Wow and flutter (RMS)	0.35% or less	Use 3 kHz test tape (C-WAT).
Standard recording input level	1 kHz MIC: −72±5 dB LINE IN: −24±5 dB DIN: −36±5 dB	To obtain 45μA of recording current through the recording head. Stop the bias oscillation by shorting ① and ③ of oscillator coil (L3) shown in printed circuit board view in page 8. f: 1 kHz
Bias oscillation frequency	60 kHz±7 kHz	———

DIAL THREADING

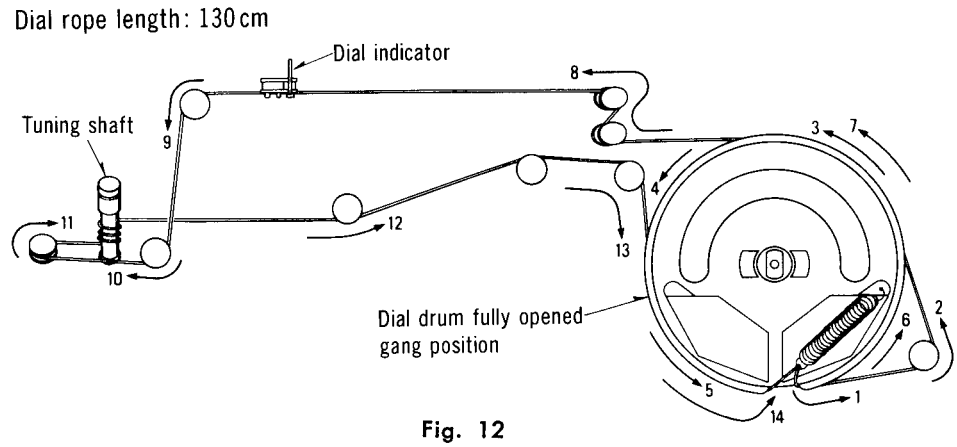


Fig. 12

IF & RF ALIGNMENTS

Output of signal generator should be no higher than necessary to obtain an output reading.
Set volume control to maximum. Maintain line voltage at 90 ~ 250 volts.
Tape/radio/sleep selector to radio. Set bass and treble controls to maximum.

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUSTMENT	REMARKS
	IF ALIGNMENT Band selector to MW					
1	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz (400 Hz Mod.)	Point of non-interference (on/about 600 kHz).	Output meter across EXT SP jack.	IFT307 (3rd IFT) IFT305 (2nd IFT) IFT303 (1st IFT)	Adjust for maximum output.
	MW RF ALIGNMENT Band selector to MW					
2	Same as above.	550 kHz (400 Hz Mod.)	550 kHz	Same as above.	L310 (OSC coil) L307 (ANT coil)	Adjust for maximum output by sliding coil (L307) along ferrite core.
3	Same as above.	1500 kHz (400 Hz Mod.)	1500 kHz	Same as above.	TC309 (OSC trimmer) TC305 (ANT trimmer)	Adjust for maximum output. Repeat steps (2) and (3).
	LW RF ALIGNMENT Band selector to SW					
4	Same as above.	145 kHz (400 Hz Mod.)	145 kHz	Same as above.	L309 (OSC coil) L306 (ANT coil)	Adjust for maximum output by sliding coil (L306) along ferrite core.
5	Same as above.	285 kHz (400 Hz Mod.)	285 kHz	Same as above.	TC308 (OSC trimmer) TC304 (ANT trimmer)	Adjust for maximum output. Repeat steps (4) and (5).
	SW RF ALIGNMENT Band selector to SW					
6	Same as above.	5.9 MHz (400 Hz Mod.)	5.9 MHz	Same as above.	L308 (OSC coil) L305 (ANT coil)	Adjust for maximum output.
7	Same as above.	18 MHz (400 Hz Mod.)	18 MHz	Same as above.	TC307 (OSC trimmer) TC306 (ANT trimmer)	Adjust for maximum output. Repeat steps (6) and (7).

Note: 1. Cement antenna bobbin with wax after completing alignment.
2. Make certain that speaker system or dummy resistor (8Ω) is connected to the EXT SP jack when aligning.

FM IF & DETECTOR ALIGNMENT

EQUIPMENT REQUIRED

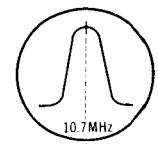
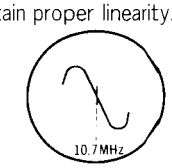
Signal generator that provides 10.7 MHz marker.
Sweep generator that provides 10.7 MHz with 400 kHz sweep width.

OSCILLOSCOPE

Set sweep selector of oscilloscope to "EXTERNAL SWEEP".
Apply 60 Hz sweep signal from sweep generator to horizontal input terminals of oscilloscope.

Set function selector to FM.
Set volume control to center.
Set tone control to center.
Set treble control to center.

Note: Before alignment of step (1) below, turn the core of IFT308 fully counter-clockwise.

	SWEEP GENERATOR COUPLING	SIGNAL GENERATOR COUPLING	RADIO DIAL SETTING	INDICATOR	ADJUSTMENT	REMARKS
1	High side thru. 0.001 μF to point TP1. Common to chassis.	High side thru. 0.001 μF to point TP1. Common to chassis.	Point of non-interference (on/about 90 MHz).	Connect vert. amp. of scope to TP2. Common to chassis.	IFT306 (4th IF) IFT304 (3rd IF) IFT302 (2nd IF) IFT301 (1st IF)	Adjust for maximum amplitude and proper linearity. 
2	Same as above.	Same as above.	Same as above.	Same as above.	IFT308	To obtain proper linearity. 

FM RF ALIGNMENT

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUSTMENT	REMARKS
3	Connect to EXT FM antenna terminal through FM dummy antenna. Common to chassis.	90 MHz (400 Hz Mod.)	90 MHz	Output meter across EXT SP jack (L).	L304 (FM OSC coil) L302 (FM collector coil) L301 (FM collector coil)	Adjust for maximum output.
4	Same as above.	106 MHz (400 Hz Mod.)	106 MHz	Same as above.	TC303 (FM OSC trimmer) TC302 (FM collector trimmer) TC301 (FM collector trimmer)	Adjust for maximum output. Repeat steps (3) and (4).

MULTIPLEX COIL & SEPARATION ALIGNMENT

* EQUIPMENTS REQUIRED

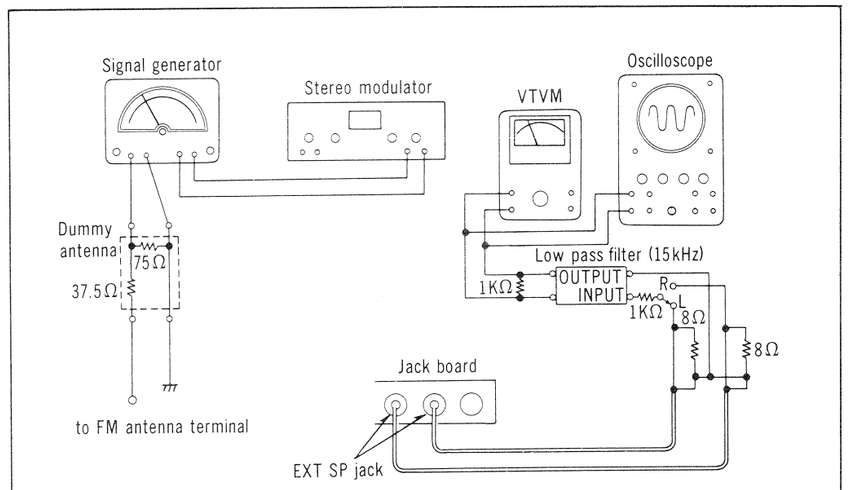
① Stereo modulator ····· Connect stereo modulator output to EXT MOD terminal of signal generator.
② Signal generator ····· Modulation rate by 19 kHz pilot signal ····· 8~10%
Modulation rate by left signal ····· 27%
Output level ····· 60 dB
Frequency ····· Approx. 98 MHz
③ Oscilloscope
④ Dummy antenna
⑤ VTVM
⑥ Low pass filter (15 kHz)

* MEASURING CONDITION

Band selector to FM, dial setting to approx. 98 MHz, tone control to TREBLE, balance control to CENTER, volume control should be no higher than necessary to obtain output reading.

ALIGNMENT PROCEDURE

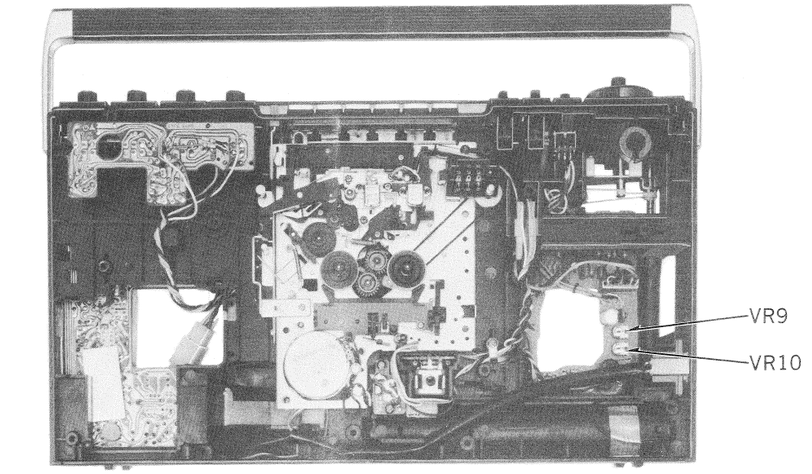
ITEM	SIGNAL SOURCE CONNECTION	EQUIPMENT CONNECTION	ADJUSTMENT	REMARKS
Adjustment of pilot signal	98 MHz, 60 dB	TP3	L312	* Set stereo modulator to L + R. * Measure pilot signal only, and adjust for maximum.
Adjustment of separation	98 MHz, 60 dB Modulation by L signal. (Refer to fig. 13)	Connect VTVM and 8Ω resistor to EXT SP jack. (Refer to fig. 13)	L313 VR301	* Slightly adjust L313 so that L output becomes maximum. * Then change the modulation by R signal only, and adjust semi-fixed variable resistor VR301 so that L output becomes minimum. * Likewise modulation by L signal only, and adjust VR301 so that R output becomes minimum. * Repeat above procedure.



Equipment connection for separation alignment

Fig. 13

ADJUSTMENT PARTS LOCATION



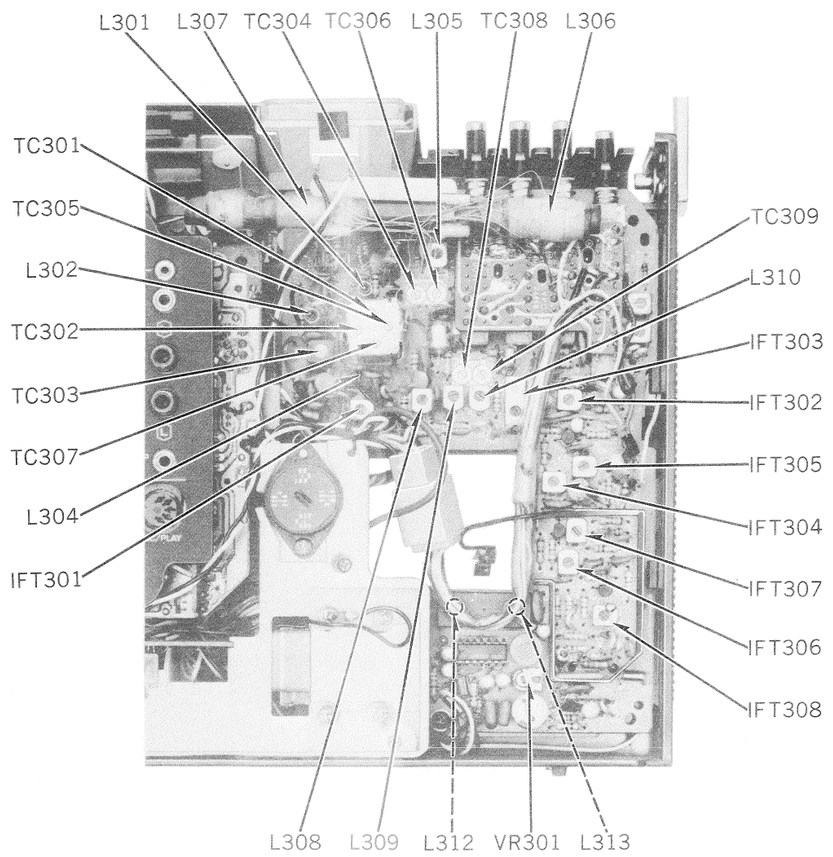
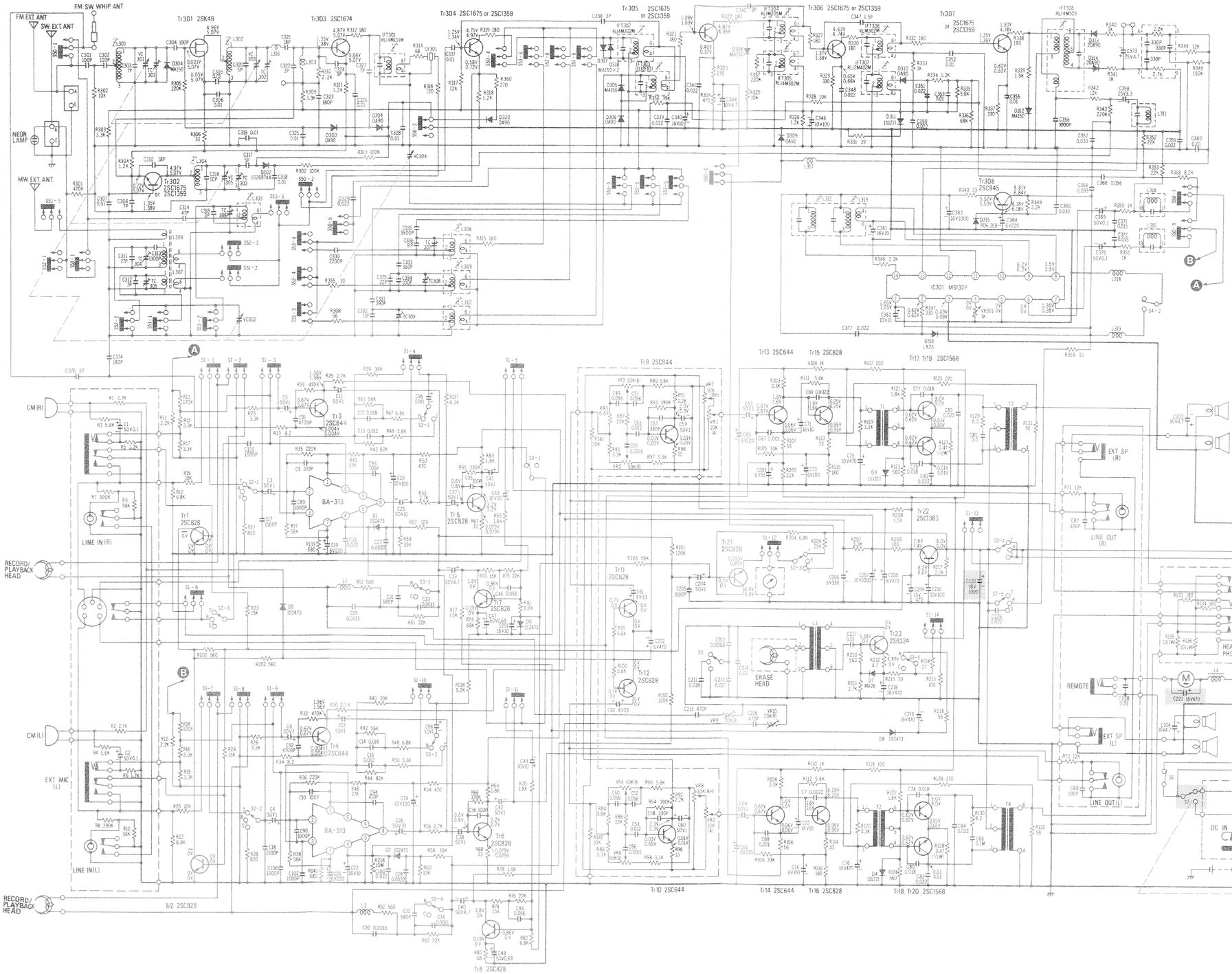


Fig. 14

SCHEMATIC DIAGRAM MODEL RS-4300LJS-E

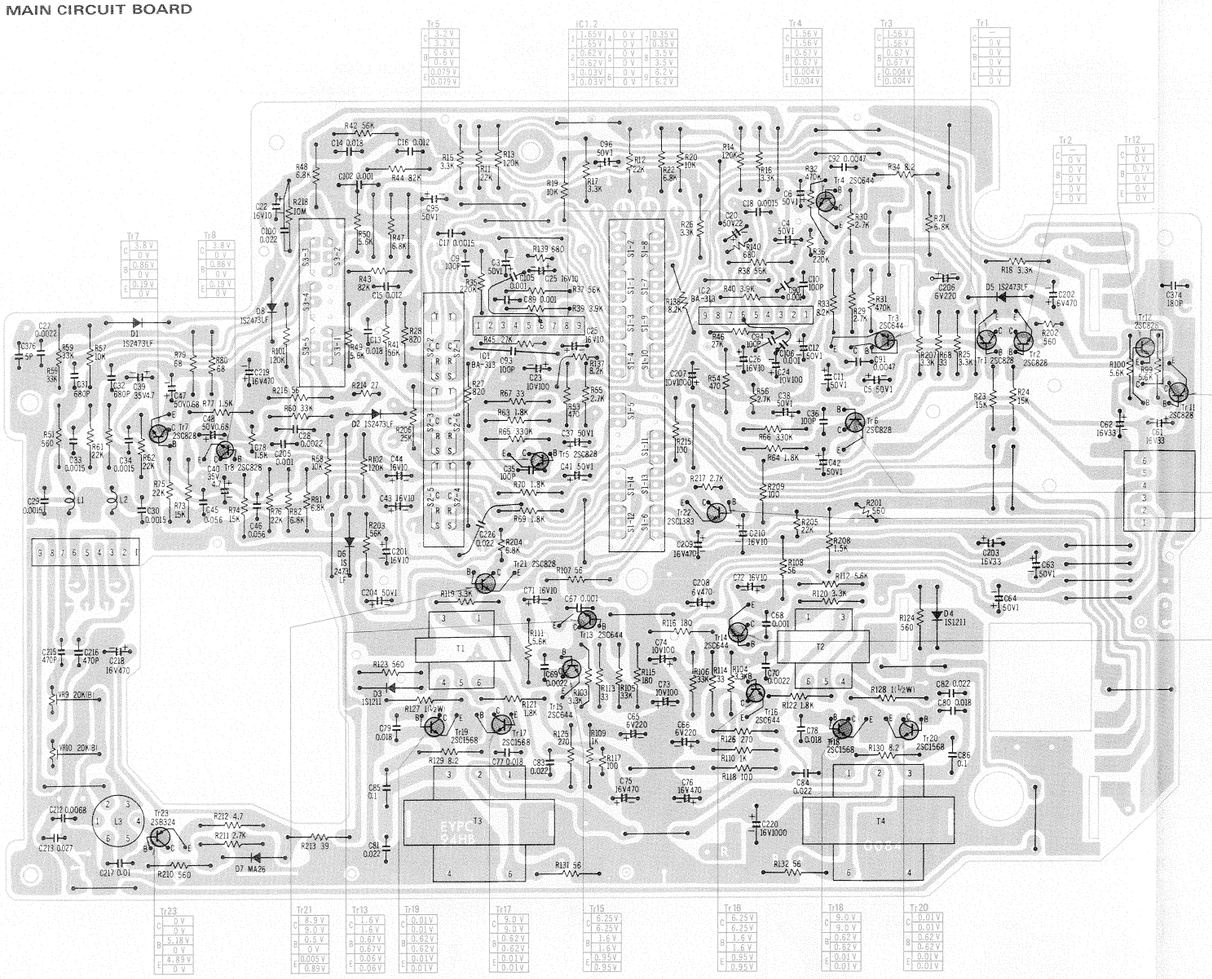


NOTE:

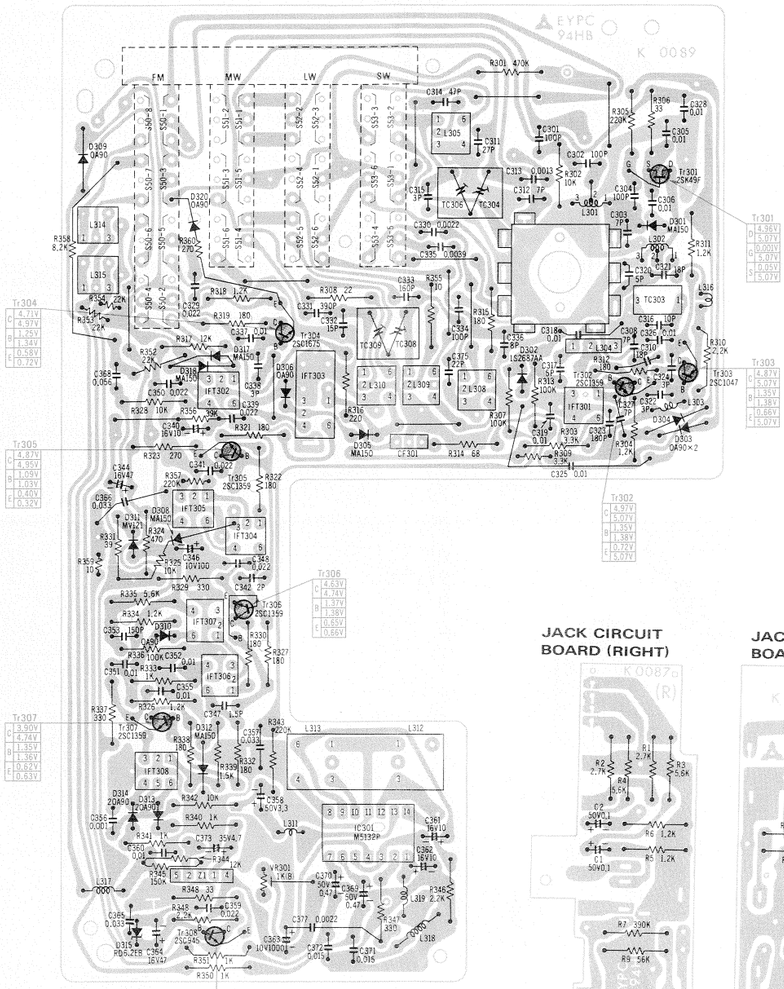
1. S1-1~S1-14 ..... Record/playback select switch (shown in playback position).
2. S2-1~S2-6 ..... Source select switch (shown in tape position).
   T ··· Tape, R ··· Radio, S ··· Sleep.
3. S3-1~S3-5 ..... Tape select switch (shown in normal position).
   N ··· Normal, C ··· CrO2.
4. S4-1, S4-2 ..... Mode select switch (shown in mono position).
5. S5 ..... Beat proof switch.
6. S6 ..... Motor ON/OFF switch (shown in OFF position).
7. S7 ..... AC/DC select switch (shown in DC position).
8. S8 ..... AC voltage select switch.
9. S50-1~S50-8 ..... FM
10. S51-1~S51-6 ..... MW
11. S52-1~S52-6 ..... LW
12. S53-1~S53-6 ..... SW
13. VR1, 2 ..... Volume control.
14. VR3, 4 ..... Bass control.
15. VR5, 6 ..... Treble control.
16. VR7, 8 ..... Balance control.
17. Resistor values are in ohms (Ω), 1/4 watt unless specified otherwise.
    K = 1,000Ω.
18. Capacitor values are in microfarads (μF) unless specified otherwise.
    P = Pico-farads.
19. The mark (▼) shows test point. e.g. ▽ = test point 1.
20. All voltage values shown in circuitry are under no signal conditions with volume at minimum position.
    For measurement, use VTVM.
    The upper values should be measured during recording and the lower values during playback (Audio circuit).
    The upper values should be measured during FM and the lower values during AM (Radio circuit).
21. Important safety notice.
    The shaded area on this schematic diagram incorporates special features important for safety.
    When servicing it is essential that only manufacturer's specified parts be used for the critical components in the shaded areas of this schematic.

CIRCUIT BOARD

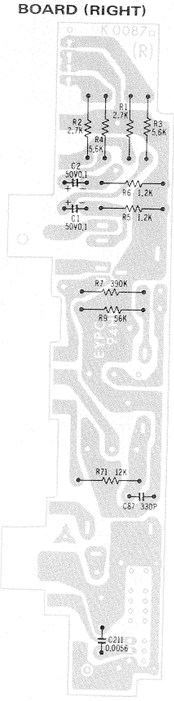
MAIN CIRCUIT BOARD



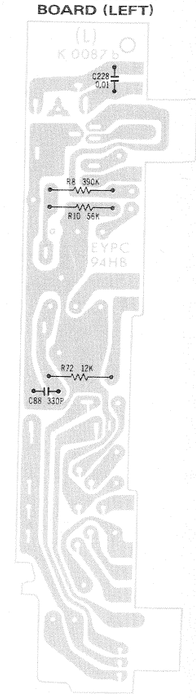
RADIO CIRCUIT BOARD



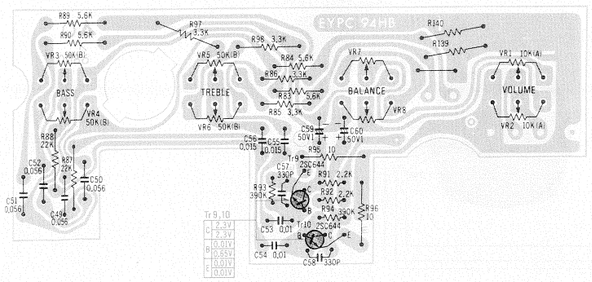
JACK CIRCUIT BOARD (RIGHT)



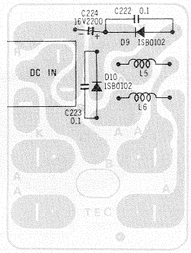
JACK CIRCUIT BOARD (LEFT)



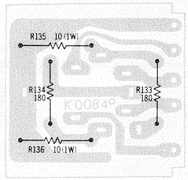
VOLUME CIRCUIT BOARD



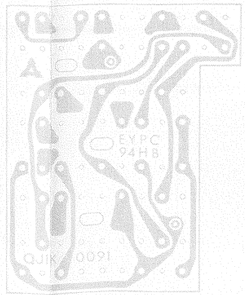
POWER CIRCUIT BOARD



HEADPHONE JACK CIRCUIT BOARD



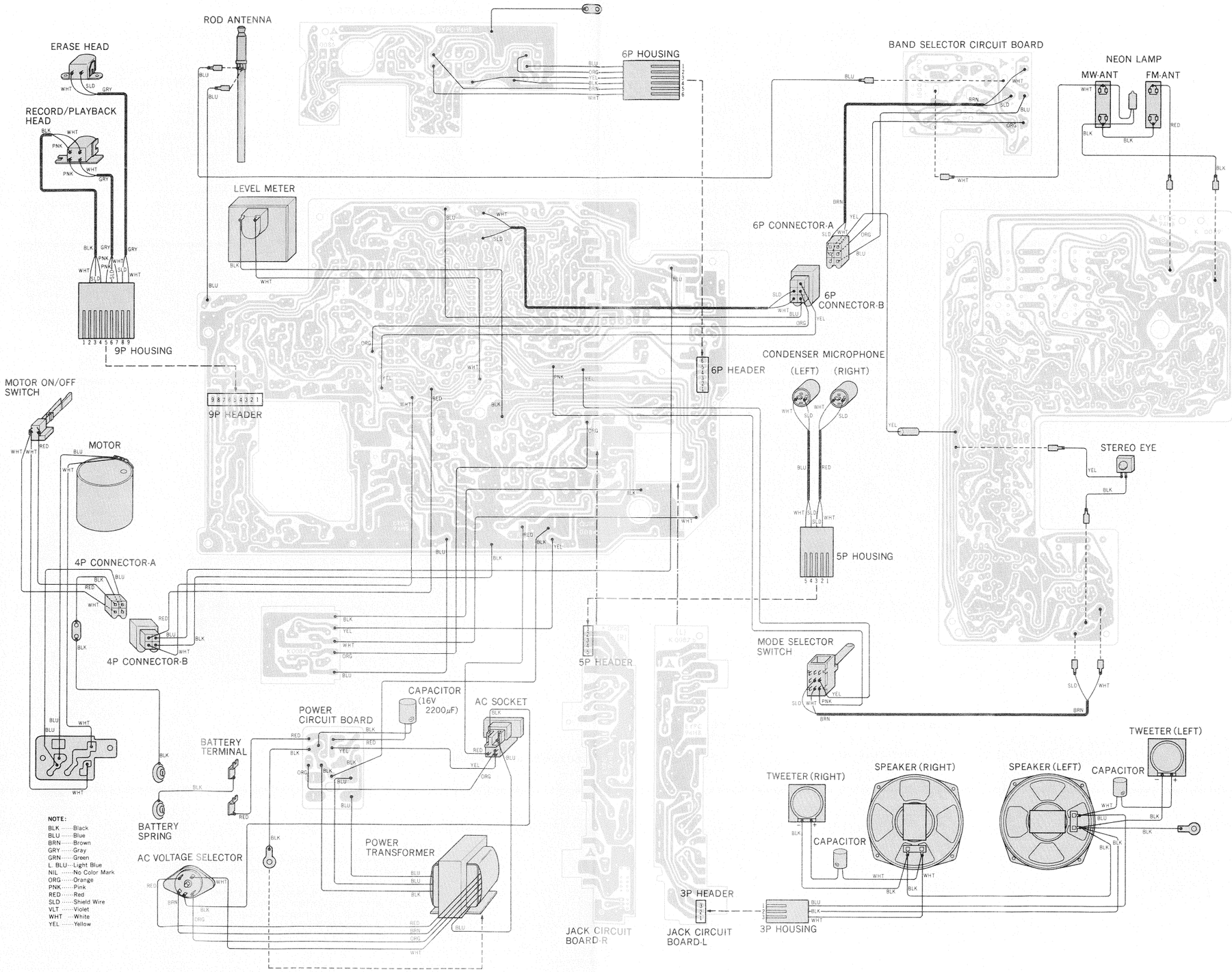
BAND SELECTOR CIRCUIT BOARD



NOTE:

The circuit shown in red on the conductor is B circuit.
Values indicated in ▭ are DC voltage between the chassis and electrical parts.
The upper values should be measured during recording and the lower values during playback (Audio circuit).
The upper values should be measured during FM and the lower values during AM (Radio circuit).

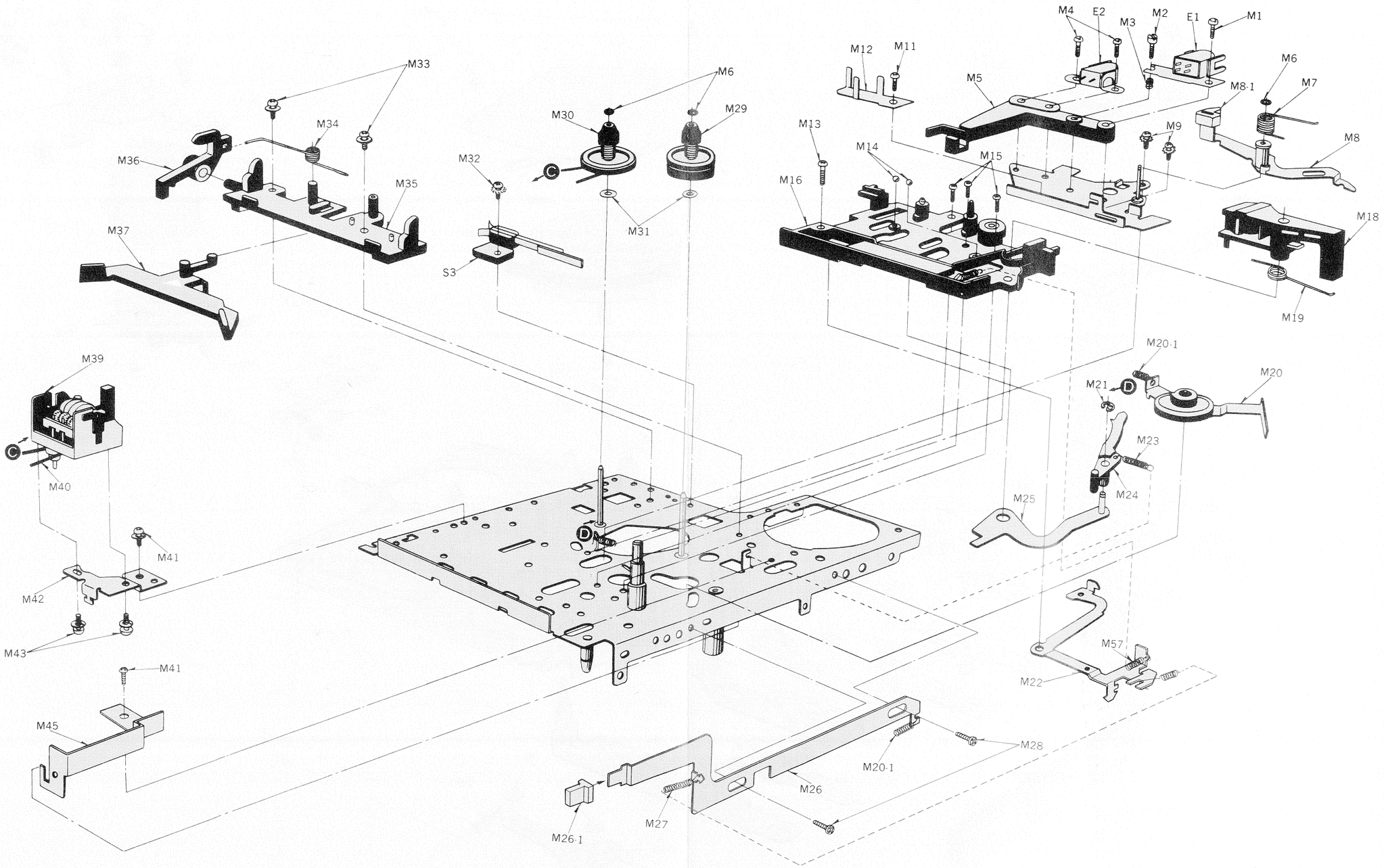
WIRING CONNECTION DIAGRAM MODEL RS-4300LJS-E

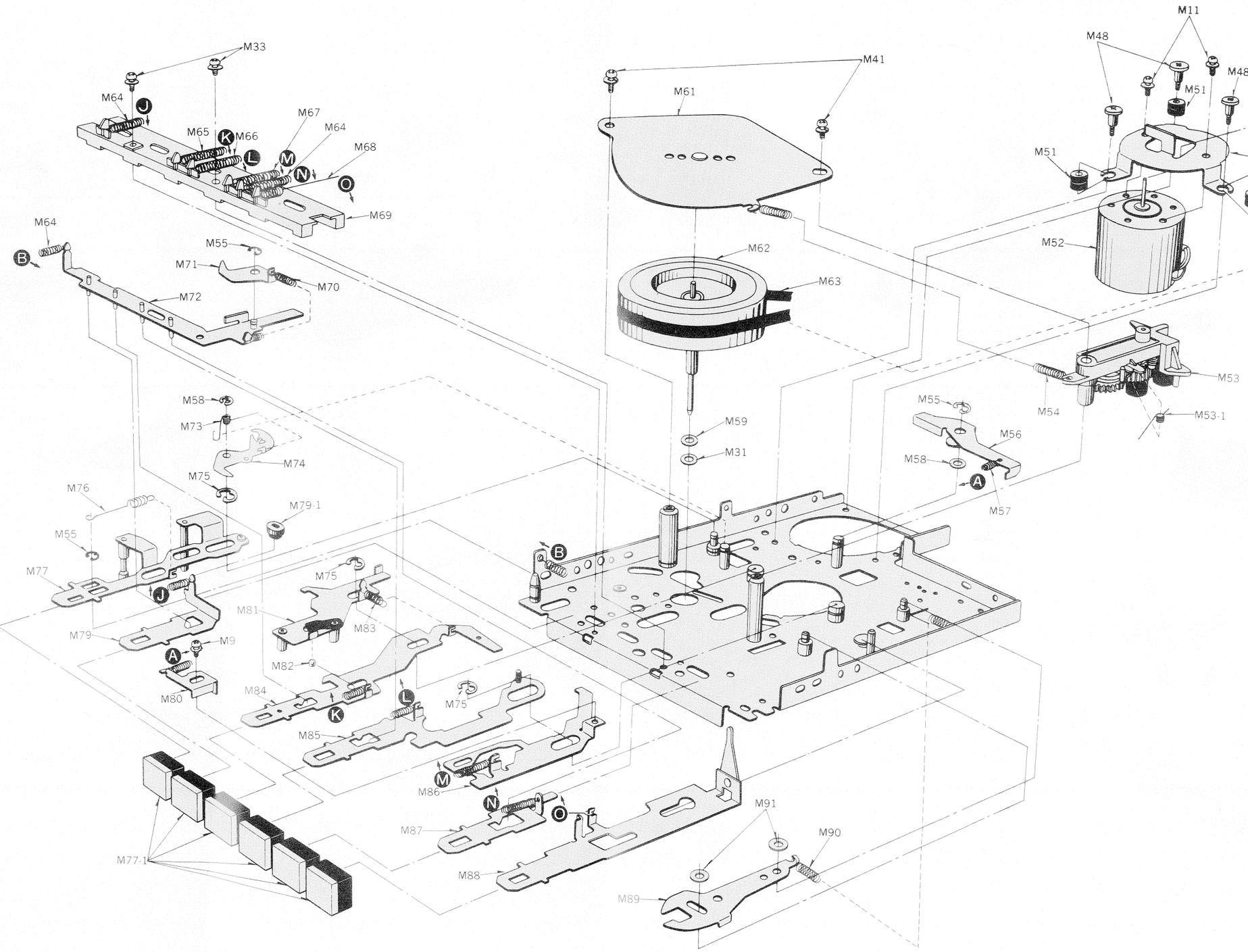


NOTE:

BLK ·····Black
BLU ·····Blue
BRN ·····Brown
GRY ·····Gray
GRN ·····Green
L. BLU···Light Blue
NIL ·····No Color Mark
ORG ·····Orange
PNK ·····Pink
RED ·····Red
SLD ·····Shield Wire
VLT ·····Violet
WHT ···White
YEL ·····Yellow

EXPLODED VIEWS




M33
M64
J
M65
K
M66
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L
M
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M68
O
M69
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B
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M79-1
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M77-1
M41
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M49
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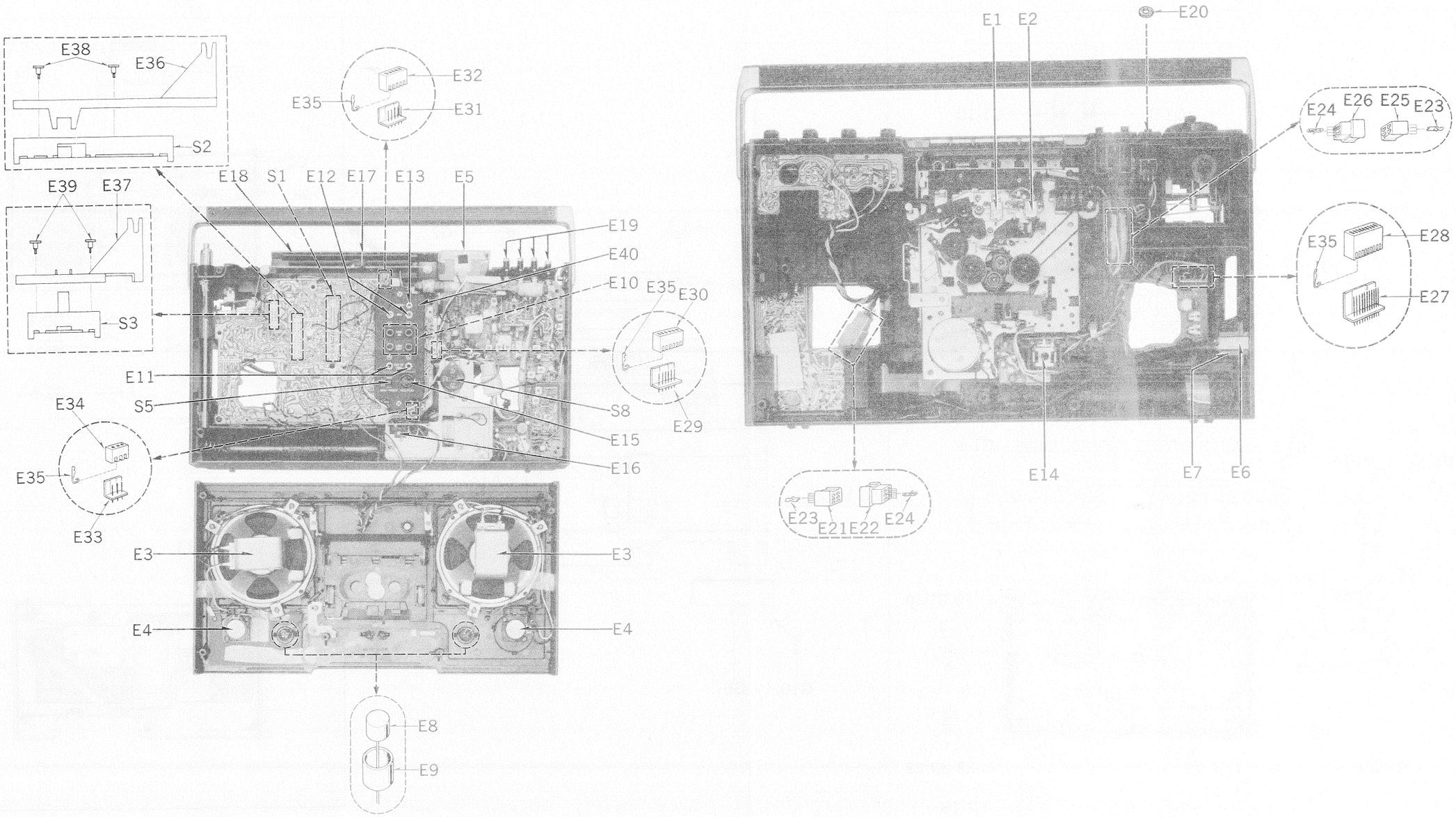
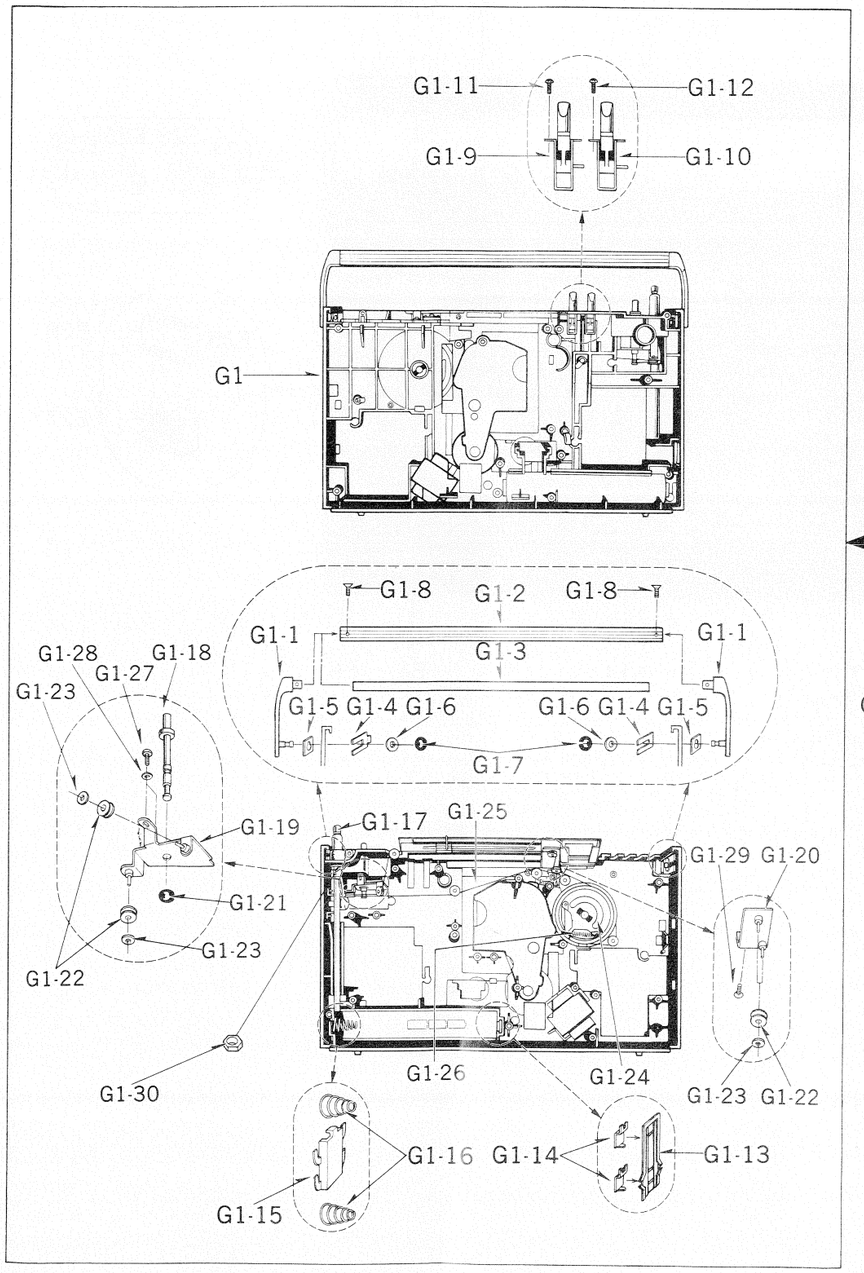
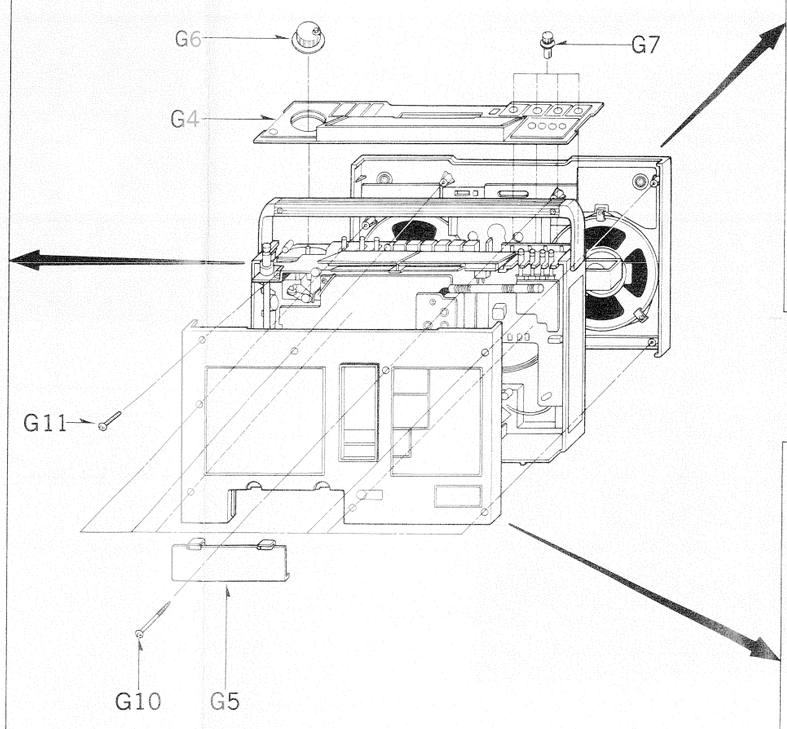
M50
M51
M52
M53
M54
M53-1
M55
M56
M58
A
M57
B
M91
M90
M89

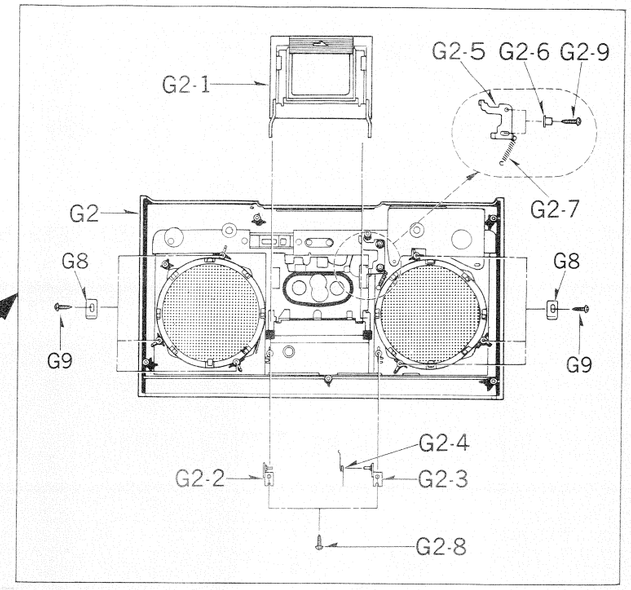
ELECTRICAL PARTS LOCATION

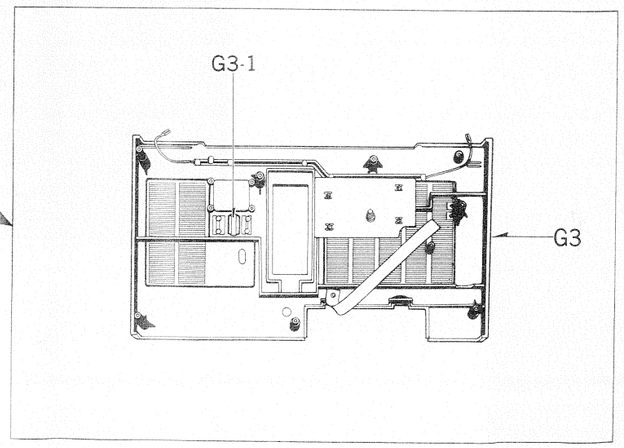


CABINET PARTS





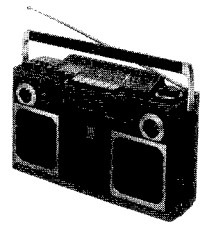




REPLACEMENT PARTS LIST

MODEL RS-4300LJS-E (National Panasonic)

ATTENTION:
Important safety notice.
Components identified by shaded area have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.



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Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
		MECHANICAL PARTS		
M1	XSN2+12	Screw ⊕2×12	1	
M2	QHQ1199A	Screw	1	
M3	QBC1103A	Head Spring	1	
M4	XSN2+10	Screw ⊕2×10	2	
M5	QMZ1160	Head Spacer	1	
M6	QWQ1124	Snap Washer	3	
M7	QBN1156A	Auto-Stop Lever Spring	1	
M8	QXL0482	Auto-Stop Detect Lever	1	
M8-1	QBJ1538A	Auto-Stop Detecting Piece	1	
M9	XSN26+6	Screw ⊕2.6×6	8	
M10	QXK1522A	Head Base Plate Assembly	1	
M11	XSN26+3	Screw ⊕2.6×3	3	
M12	QTD1235	Clamper	1	
M13	XSN26+10	Screw ⊕2.6×10	6	
M14	QDK1012	Steel Ball	2	
M15	XWC26B	Lock Washer	3	
M16	QXK1724B	Upper Base Plate Assembly	1	
M16-1	QBT1692D	Eject Lever-B Spring	1	
M17	XWC2B	Lock Washer	1	
M18	QXL0873A	Pressure Roller Lever Assembly	1	
M19	QBN1157	Pressure Roller Lever Spring	1	
M20	QXI0086A	Idler Lever Assembly	1	
M20-1	QBT1619M	Idler Lever Spring	2	
M21	XUC25FT	Stop Ring 2.5φ	2	
M22	QML2921B	Eject Lever	1	
M23	QBT1489M	Auto-Stop Drive Lever Spring	1	
M24	QBJ1656	Auto-Stop Drive Pawl	1	
M25	QXL0830	Auto-Stop Drive Lever Assembly	1	
M26	QXR0212A	Eject Rod Assembly	1	
M26-1	QGO1219	Eject Button	1	
M27	QBT1800A	Cushion Spring	1	
M28	QHQ1168	Screw	2	
M29	QXD0038	Takeup Reel Table	1	
M30	QXP0373A	Supply Reel Table	1	
M31	QBJ3220	Tetoron Washer	3	
M32	XSN2+6	Screw ⊕2×6	1	
M33	XWA26B	Spring Washer	7	
M34	QBN1154	Brake Spring	1	
M35	QGG0044	Brake Guide	1	
M36	QBJ1787A	Erase Safety Lever	1	
M37	QMR1392	Brake	1	
M39	QDC0077	Tape Counter	1	
M40	QDB0218	Counter Belt	1	
M42	QMA2632A	Tape Counter Angle	1	
M43	XSN3+6S	Screw ⊕3×6	2	
M44	XWA3B	Spring Washer	2	
M45	QMA2634	Reinforcement Angle	1	
M46	XSN26+4	Screw ⊕2.6×4	1	
M48	QMS1833	Motor Holding Screw	3	
M49	QXP0498	Motor Pulley	1	
M49-1	XSN2+3	Screw ⊕2×3	1	
M50	QMA2487B	Motor Angle	1	
M51	QBG1055A	Motor Cushion	3	
M52	MHI5F9CXPRB	Motor	1	
M53	QXL0451B	Fast Wind Gear Assembly	1	
M53-1	QBN1196	Gear Spring	1	
M53-2	QBT1485M	Fast Wind Lever Spring	1	
M55	XUC3FT	Stop Ring 3φ	3	
M56	QML2515	Rewind Lever-B	1	
M57	QBT1490	Eject Lever Spring	2	
M58	QBK7017	Fiber Washer	1	

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
M61	QXH0226Z	Flywheel Retainer	1	
M62	QXF0063	Flywheel	1	
M63	QDB0141	Capstan Belt	1	
M64	QBT1580DM	Stop Lever Spring	3	
M65	QBT1536DMA	Playback Lever Spring	1	
M66	QBT1484M	Fast Forward Lever Spring	1	
M67	QBT1486EM	Record Lever Spring	1	
M68	QBT1667DM	Record Lever Spring-B	1	
M69	QBJ2086C	Lever Guide	1	
M70	QBT1780DB	Lock Sub-Plate Spring	1	
M71	QML2607A	Lock Sub-Plate	1	
M72	QXR0062A	Lock Plate	1	
M73	QBN1472	Lock Spring	1	
M74	QML2792	Lock Plate-A	1	
M75	XUC5FT	Stop Ring 5ϕ	3	
M76	QBT1795DM	Pause Rod Spring	1	
M77	QXR0226A	Pause Rod Assembly	1	
M77-1	QXB0346	Push Button (Pause, Stop, Playback, Record, Fast Forward, Rewind)	6	
M79	QXR0227	Stop Rod Assembly	1	
M79-1	QBG1497A	Brake Rubber	1	
M80	QMA1994A	Rewind Adjust Plate	1	
M81	QXR0094A	Playback Rod-B	1	
M82	QDK1003	Steel Ball 4ϕ	1	
M83	QBT1681MA	Playback Rod-B Spring	1	
M84	QXR0228	Playback Rod-A Assembly	1	
M85	QXR0229	Fast Forward Rod-A Assembly	1	
M86	QML2334	Fast Forward Lever-B	1	
M87	QXR0230	Rewind Rod-A Assembly	1	
M88	QXR0231A	Record Rod Assembly	1	
M89	QML2823A	Lock Plate-B	1	
M90	QBT1673	Lock Plate-B Spring	1	
		RESISTORS		
R1, 2	ERD25TJ272	Carbon Resistor 2.7KΩ 1/4W	2	
R3, 4	ERD25TJ562	〃 5.6KΩ 1/4W	2	

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Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
R5, 6	ERD25TJ122	Carbon Resistor 1.2KΩ 1/4W	2	
R7, 8	ERD25TJ394	〃 390KΩ 1/4W	2	
R9, 10	ERD25TJ563	〃 56KΩ 1/4W	2	
R11, 12	ERD25TJ223	〃 22KΩ 1/4W	2	
R13, 14	ERD25TJ124	〃 120KΩ 1/4W	2	
R15, 16, 17, 18	ERD25TJ332	〃 3.3KΩ 1/4W	4	
R19, 20	ERD25TJ103	〃 10KΩ 1/4W	2	
R21, 22	ERD25TJ682	〃 6.8KΩ 1/4W	2	
R23, 24	ERD25TJ153	〃 15KΩ 1/4W	2	
R25, 26	ERD25TJ332	〃 3.3KΩ 1/4W	2	
R27, 28	ERD25TJ821	〃 820Ω 1/4W	2	
R29, 30	ERD25TJ272	〃 2.7KΩ 1/4W	2	
R31, 32	ERD25TJ474	〃 470KΩ 1/4W	2	
R33, 34	ERD25TJ8R2	〃 8.2Ω 1/4W	2	
R35, 36	ERD25TJ224	〃 220KΩ 1/4W	2	
R37, 38	ERD25TJ563	〃 56KΩ 1/4W	2	
R39, 40	ERD25TJ393	〃 3.9KΩ 1/4W	2	
R41, 42	ERD25TJ563	〃 56KΩ 1/4W	2	
R43, 44	ERD25TJ823	〃 82KΩ 1/4W	2	
R45, 46	ERD25TJ273	〃 27KΩ 1/4W	2	
R47, 48	ERD25TJ682	〃 6.8KΩ 1/4W	2	
R49, 50	ERD25TJ562	〃 5.6KΩ 1/4W	2	
R51, 52	ERD25TJ561	〃 560Ω 1/4W	2	
R53, 54	ERD25TJ471	〃 470Ω 1/4W	2	
R55, 56	ERD25TJ272	〃 2.7KΩ 1/4W	2	
R57, 58	ERD25TJ103	〃 10KΩ 1/4W	2	
R59, 60	ERD25TJ333	〃 33KΩ 1/4W	2	
R61, 62	ERD25TJ223	〃 22KΩ 1/4W	2	
R63, 64	ERD25TJ182	〃 1.8KΩ 1/4W	2	
R65, 66	ERD25TJ334	〃 330KΩ 1/4W	2	
R67, 68	[illegible]	[illegible]	[illegible]	
R69, 70	ERD25TJ182	〃 1.8KΩ 1/4W	2	
R71, 72	ERD25TJ123	〃 12KΩ 1/4W	2	
R73, 74	ERD25TJ153	〃 15KΩ 1/4W	2	
R75, 76	ERD25TJ223	〃 22KΩ 1/4W	2	

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
R77, 78	ERD25TJ152	Carbon Resistor 1.5KΩ 1/4W	2	
R79, 80	ERD25TJ680	〃 68Ω 1/4W	2	
R81, 82	ERD25TJ682	〃 6.8KΩ 1/4W	2	
R83, 84	ERD25TJ562	〃 5.6KΩ 1/4W	2	
R85, 86	ERD25TJ332	〃 3.3KΩ 1/4W	2	
R87, 88	ERD25TJ223	〃 22KΩ 1/4W	2	
R89, 90	ERD25TJ562	〃 5.6KΩ 1/4W	2	
R91, 92	ERD25TJ222	〃 2.2KΩ 1/4W	2	
R93, 94	ERD25TJ394	〃 390KΩ 1/4W	2	
R95, 96	ERD25TJ100	〃 10Ω 1/4W	2	
R97, 98	ERD25TJ332	〃 3.3KΩ 1/4W	1	
R99, 100	ERD25TJ562	〃 5.6KΩ 1/4W	2	
R101, 102	ERD25TJ124	〃 120KΩ 1/4W	2	
R103, 104	ERD25TJ332	〃 3.3KΩ 1/4W	2	
R105, 106	ERD25TJ333	〃 33KΩ 1/4W	2	
R107, 108	ERD25TJ560	〃 56Ω 1/4W	2	
R109, 110	ERD25TJ102	〃 1KΩ 1/4W	2	
R111, 112	ERD25TJ562	〃 5.6KΩ 1/4W	2	
R113, 114	ERD25TJ330	〃 33Ω 1/4W	2	
R115, 116	ERD25TJ181	〃 180Ω 1/4W	2	
R117, 118	ERD25TJ101	〃 100Ω 1/4W	2	
R119, 120	ERD25TJ332	〃 3.3KΩ 1/4W	2	
R121, 122	ERD25TJ182	〃 1.8KΩ 1/4W	2	
R123, 124	ERD25TJ561	〃 560Ω 1/4W	2	
R125, 126	ERD25TJ271	〃 270Ω 1/4W	2	
R127, 128	ERX12ANJ1R0	Metal-oxide Resistor 1Ω 1/2W	2	
R129, 130	ERD25TJ8R2	Carbon Resistor 8.2Ω 1/4W	2	
R131, 132	ERD25TJ560	〃 56Ω 1/4W	2	
R133, 134	ERD25TJ181	〃 180Ω 1/4W	2	
R135, 136	ERX1ANJ100	Metal-oxide Resistor 10Ω 1W	2	
R137, 138	ERD25TJ822	Carbon Resistor 8.2KΩ 1/4W	2	
R139, 140	ERD25TJ681	〃 680Ω 1/4W	2	
R201, 202	ERD25TJ561	〃 560Ω 1/4W	2	
R203	ERD25TJ563	〃 56KΩ 1/4W	1	
R204	ERD25TJ682	〃 6.8KΩ 1/4W	1	

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Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
R205	ERD25TJ223	Carbon Resistor 22KΩ 1/4W	1	
R206	ERD25TJ253	〃 25KΩ 1/4W	1	
R207	ERD25TJ332	〃 3.3KΩ 1/4W	1	
R208	ERD25TJ152	〃 1.5KΩ 1/4W	1	
R209	ERD25TJ101	〃 100Ω 1/4W	1	
R210	ERD25TJ561	〃 560Ω 1/4W	1	
R211	ERD25TJ272	〃 2.7KΩ 1/4W	1	
R212	ERD25TJ4R7	〃 4.7Ω 1/4W	1	
R213	ERD25TJ390	〃 39Ω 1/4W	1	
R214	ERD25TJ270	〃 27Ω 1/4W	1	
R215	ERD25TJ101	〃 100Ω 1/4W	1	
R216	ERD25TJ560	〃 56Ω 1/4W	1	
R217	ERD25TJ272	〃 2.7KΩ 1/4W	1	
R218	ERC14GK106	〃 10MΩ 1/4W	1	
R301	ERD25TJ474	〃 470KΩ 1/4W	1	
R302	ERD25TJ103	〃 10KΩ 1/4W	1	
R303	ERD25TJ332	〃 3.3KΩ 1/4W	1	
R304	ERD25TJ122	〃 1.2KΩ 1/4W	1	
R305	ERD25TJ224	〃 220KΩ 1/4W	1	
R306	ERD25TJ330	〃 33Ω 1/4W	1	
R307	ERD25TJ104	〃 100KΩ 1/4W	1	
R308	ERD25TJ220	〃 22Ω 1/4W	1	
R309	ERD25TJ332	〃 3.3KΩ 1/4W	1	
R310	ERD25TJ222	〃 2.2KΩ 1/4W	1	
R311	ERD25TJ122	〃 1.2KΩ 1/4W	1	
R312	ERD25TJ181	〃 180Ω 1/4W	1	
R313	ERD25TJ104	〃 100KΩ 1/4W	1	
R314	ERD25TJ680	〃 68Ω 1/4W	1	
R315	ERD25TJ181	〃 180Ω 1/4W	1	
R316	ERD25TJ221	〃 220Ω 1/4W	1	
R317	ERD25TJ123	〃 12KΩ 1/4W	1	
R318	ERD25TJ122	〃 1.2KΩ 1/4W	1	
R319, 321, 322				
	ERD25TJ181	〃 180Ω 1/4W	3	
R323	ERD25TJ271	〃 270Ω 1/4W	1	

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
R324	ERD25TJ471	Carbon Resistor 470Ω 1/4W	1	
R325	ERD25TJ103	〃 10KΩ 1/4W	1	
R326	ERD25TJ122	〃 1.2KΩ 1/4W	1	
R327	ERD25TJ181	〃 180Ω 1/4W	1	
R328	ERD25TJ103	〃 10KΩ 1/4W	1	
R329	ERD25TJ331	〃 330Ω 1/4W	1	
R330	ERD25TJ181	〃 180Ω 1/4W	1	
R331	ERD25TJ390	〃 39Ω 1/4W	1	
R332	ERD25TJ181	〃 180Ω 1/4W	1	
R333	ERD25TJ102	〃 1KΩ 1/4W	1	
R334	ERD25TJ122	〃 1.2KΩ 1/4W	1	
R335	ERD25TJ562	〃 5.6KΩ 1/4W	1	
R336	ERD25TJ104	〃 100KΩ 1/4W	1	
R337	ERD25TJ331	〃 330Ω 1/4W	1	
R338	ERD25TJ181	〃 180Ω 1/4W	1	
R339	ERD25TJ152	〃 1.5KΩ 1/4W	1	
R340, 341	ERD25TJ102	〃 1KΩ 1/4W	2	
R342	ERD25TJ103	〃 10KΩ 1/4W	1	
R343	ERD25TJ224	〃 220KΩ 1/4W	1	
R344	ERD25TJ123	〃 12KΩ 1/4W	1	
R345	ERD25TJ154	〃 150KΩ 1/4W	1	
R346	ERD25TJ222	〃 2.2KΩ 1/4W	1	
R347	ERD25TJ331	〃 330Ω 1/4W	1	
R348	ERD25TJ330	〃 33Ω 1/4W	1	
R349	ERD25TJ332	〃 2.2KΩ 1/4W	1	
R350, 351	ERD25TJ102	〃 1KΩ 1/4W	2	
R352, 353, 354	ERD25TJ223	〃 22KΩ 1/4W	3	
R355	ERD25TJ100	〃 10Ω 1/4W	1	
R356	ERD25TJ393	〃 39KΩ 1/4W	1	
R357	ERD25TJ224	〃 220KΩ 1/4W	1	
R358	ERD25TJ822	〃 8.2KΩ 1/4W	1	
R359	ERD25TJ100	〃 10Ω 1/4W	1	
R360	ERD25TJ271	〃 270Ω 1/4W	1	

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Ref. No.	Part No.	Part Name & Description		Pcs/ Set	Remarks
		VARIABLE RESISTORS			
VR1, 2	EWKE1A015A14	Variable Resistor	10KΩ (A)	2	
VR3, 4, 5, 6	EWKE0A015B54	〃	50KΩ (B)	4	
VR7, 8	EWKE0A015679	〃	10KΩ (BH)	2	
VR9, 10	EVNK4AA00B24	Semi-fixed Variable Resistor	20KΩ (B)	2	
VR301	EVNK4AA00B13	〃	1KΩ (B)	1	
		CAPACITORS			
C1, 2	ECEA50VR1	Electrolytic Capacitor	0.1μF	2	
C3, 4, 5, 6	ECEA50V1	〃	1μF	4	
C9, 10	ECKD1H101KB	Ceramic Capacitor	100pF	2	
C11, 12	ECEA50V1	Electrolytic Capacitor	1μF	2	
C13, 14	ECQM05183KZ	Mylar Capacitor	0.018μF	2	
C15, 16	ECQM05123KZ	〃	0.012μF	2	
C17, 18	ECKD1H152KB	Ceramic Capacitor	0.0015μF	2	
C19, 20	ECEA50V22	Electrolytic Capacitor	22μF	2	
C21	ECKD1H223PF	Ceramic Capacitor	0.022μF	1	
C22	ECEA16V10	Electrolytic Capacitor	10μF	1	
C23, 24	ECEA10V100	〃	100μF	2	
C25, 26	ECEA16V10	〃	10μF	2	
C27, 28	ECKD1H222KB	Ceramic Capacitor	0.0022μF	2	
C29, 30	ECQM05152JZ	Mylar Capacitor	0.0015μF	2	
C31, 32	ECKD1H681KB	Ceramic Capacitor	680pF	2	
C33, 34	ECQM05152KZ	Mylar Capacitor	0.0015μF	2	
C35, 36	ECKD1H101KB	Ceramic Capacitor	100pF	2	
C37, 38	ECEA50V1	Electrolytic Capacitor	1μF	2	
C39, 40	ECEA35V4R7	〃	4.7μF	2	
C41, 42	ECEA50V1	〃	1μF	2	
C43, 44	ECEA16V10	〃	10μF	2	
C45, 46	ECQM05563MZ	Mylar Capacitor	0.056μF	2	
C47, 48	ECEA50VR68	Electrolytic Capacitor	0.68μF	2	
C49, 50, 51, 52	ECQM05563MZ	Mylar Capacitor	0.056μF	4	
C53, 54	ECQM05123MZ	〃	0.012μF	2	
C55, 56	ECQM05152MZ	〃	0.015μF	2	

Ref. No.	Part No.	Part Name & Description		Pcs/ Set	Remarks
C57, 58	ECKD1H331KB	Ceramic Capacitor	330pF	2	
C59, 60	ECEA50V1	Electrolytic Capacitor	1μF	2	
C61, 62	ECEA16V33	〃	33μF	2	
C63, 64	ECEA50V1	〃	1μF	2	
C65, 66	ECEA6V220	〃	220μF	2	
C67, 68	ECKD1H102KB	Ceramic Capacitor	0.001μF	2	
C69, 70	ECKD1H222KB	〃	0.0022μF	2	
C71, 72	ECEA16V10	Electrolytic Capacitor	10μF	2	
C73, 74	ECEA10V100	〃	100μF	2	
C75, 76	ECEA16V470	〃	470μF	2	
C77, 78, 79, 80	ECQM05183MZ	Mylar Capacitor	0.018μF	4	
C81, 82, 83, 84	ECKD1H223PF	Ceramic Capacitor	0.022μF	4	
C85, 86	ECQM05104MZ	Mylar Capacitor	0.1μF	2	
C87, 88	ECKD1H331KB	Ceramic Capacitor	330pF	2	
C89, 90	ECKD1H102KB	〃	0.001μF	2	
C91, 92	ECKD1H472MB	〃	0.0047μF	2	
C93, 94	ECKD1H101KB	〃	100pF	2	
C95, 96	ECEA50V1	Electrolytic Capacitor	1μF	2	
C100	ECKD1H223PF	Ceramic Capacitor	0.022μF	1	
C102	ECKD1H102KB	〃	0.001μF	1	
C103, 104	ECEA35V4R7	Electrolytic Capacitor	4.7μF	2	
C105, 106	ECKD1H102KB	Ceramic Capacitor	0.001μF	2	
C201	ECEA16V10	Electrolytic Capacitor	10μF	1	
C202	ECEA6V470	〃	470μF	1	
C203	ECEA16V33	〃	33μF	1	
C204	ECEA50V1	〃	1μF	1	
C205	ECKD1H102KB	Ceramic Capacitor	0.001μF	1	
C206	ECEA6V220	Electrolytic Capacitor	220μF	1	
C207	ECEA10V1000	〃	1000μF	1	
C208	ECEA6V470	〃	470μF	1	
C209	ECEA16V470	〃	470μF	1	
C210	ECEA16V10	〃	10μF	1	
C211	ECQM05183JZ	Mylar Capacitor	0.018μF	1	
C212	ECQM05682JZ	〃	0.0068μF	1	
C213	ECQM05273JZ	〃	0.027μF	1	

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Ref. No.	Part No.	Part Name & Description		Pcs/ Set	Remarks
C215, 216	ECKD1H471KB	Ceramic Capacitor	470pF	2	
C217	ECQM05103MZ	Mylar Capacitor	0.01μF	1	
C218, 219	ECEA16V470	Electrolytic Capacitor	470μF	1	
C220	ECEA16V1000	〃	1000μF	1	
C221	ECEA16V470	〃	470μF	1	
C222, 223	ECQM05104MZ	Mylar Capacitor	0.1μF	2	
C224	ECEA16V2200	Electrolytic Capacitor	2200μF	1	
C226	ECKD1H223PF	Ceramic Capacitor	0.022μF	1	
C228	ECKD1H103PF	〃	0.01μF	1	
C301, 302	ECCD1H101K	〃	100pF	2	
C303	ECCD1H070CC	〃	7pF	1	
C304	ECCD1H101K	〃	100pF	1	
C305, 306, 307					
	ECKD1H103PF	〃	0.01μF	3	
C308	ECCD1H070CC	〃	7pF	1	
C310	ECCD1H180KC	〃	18pF	1	
C311	ECCD1H270K	〃	27pF	1	
C312	ECCD1H070CC	〃	7pF	1	
C313	ECQS1132JZ	Styrol Capacitor	0.0013μF	1	
C314	ECCD1H470K	Ceramic Capacitor	47pF	1	
C315	ECCD1H030C	〃	3pF	1	
C316	ECCD1H100FC	〃	10pF	1	
C317	ECCD1H050CC	〃	5pF	1	
C318, 319	ECKD1H103PF	〃	0.01μF	2	
C320	ECCD1H050CC	〃	5pF	1	
C321	ECCD1H180K	〃	18pF	1	
C322	ECCD1H030C	〃	3pF	1	
C323	ECCD1H181K	〃	180pF	1	
C324	ECCD1H030C	〃	3pF	1	
C325	ECKD1H103MD	〃	0.01μF	1	
C326	ECKD1H103PF	〃	0.01μF	1	
C327	ECCD1H070C	〃	7pF	1	
C328	ECKD1H103PF	〃	0.01μF	1	
C329	ECKD1H223MD	〃	0.022μF	1	
C330	ECKD1H222MD	〃	0.0022μF	1	

Ref. No.	Part No.	Part Name & Description		Pcs/ Set	Remarks
C331	ECQS1391JZ	Styrol Capacitor	390pF	1	
C332	ECCD1H150KC	Ceramic Capacitor	15pF	1	
C333	ECQS1161JZ	Styrol Capacitor	160pF	1	
C334	ECCD1H101K	Ceramic Capacitor	100pF	1	
C335	ECQS1392JZ	Styrol Capacitor	0.0039μF	1	
C336	ECCD1H080FC	Ceramic Capacitor	8pF	1	
C337	ECKD1H103MD	〃	0.01μF	1	
C338	ECKD1H030PF	〃	3pF	1	
C339	ECKD1H223PF	〃	0.022μF	1	
C340	ECEA16V10	Electrolytic Capacitor	10μF	1	
C341	ECKD1H223PF	Ceramic Capacitor	0.022μF	1	
C342	ECCD1H020C	〃	2pF	1	
C344	ECEA16V47	Electrolytic Capacitor	47μF	1	
C346	ECEA10V100	〃	100μF	1	
C347	ECCD1H1R5C	Ceramic Capacitor	1.5pF	1	
C348, 350	ECKD1H223PF	〃	0.022μF	2	
C351, 352	ECKD1H103PF	〃	0.01μF	2	
C353	ECCD1H151K	〃	150pF	1	
C355	ECKD1H103PF	〃	0.01μF	1	
C356	ECKD1H102KB	〃	0.001μF	1	
C357	ECKD1H333PF	〃	0.033μF	1	
C358	ECEA50V3R3	Electrolytic Capacitor	3.3μF	1	
C359	ECKD1H223PF	Ceramic Capacitor	0.022μF	1	
C360	ECKD1H103PF	〃	0.01μF	1	
C361, 362	ECEA16V10	Electrolytic Capacitor	10μF	2	
C363	ECEA10V1000	〃	1000μF	1	
C364	ECEA16V47	〃	47μF	1	
C365, 366	ECKD1H333PF	Ceramic Capacitor	0.033μF	2	
C368	ECKD1H563PF	〃	0.056μF	1	
C369, 370	ECEA50VR47	Electrolytic Capacitor	0.47μF	2	
C371, 372	ECCD1H153K	Ceramic Capacitor	0.015μF	2	
C373	ECEB35V4R7	Electrolytic Capacitor	4.7μF	1	
C374	ECCD1H181K	Ceramic Capacitor	180pF	1	
C375	ECCD1H220K	〃	22pF	1	
C376	ECCD1H050C	〃	5pF	1	

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Ref. No.	Part No.	Part Name & Description		Pcs/ Set	Remarks
C377	ECCD1H222K	Ceramic Capacitor	0.0022μF	1	
		VARIABLE CAPACITORS			
VC301, 302, 303, 304, 305 TC301, 302, 305, 307					
	PVC23K20T	Variable Capacitor		9	
TC303	CTY12B251	Trimmer Capacitor		1	
TC304, 306, 308, 309					
	2T8M117	〃		4	
		COMBINATION PART			
Z1	EXN5DK04EC	CR Combination Part		1	
		TRANSISTORS			
Tr1, 2	2SC828	Transistor		2	
Tr3, 4	2SC644	〃		2	
Tr5, 6, 7, 8	2SC828	〃		4	
Tr9, 10	2SC644	〃		2	
Tr11, 12	2SC828	〃		2	
Tr13, 14	2SC644	〃		2	
Tr15, 16	2SC828	〃		2	
Tr17, 18, 19, 20	2SC1568	〃		4	
Tr21	2SC828	〃		1	
Tr22	2SC1383	〃		1	
Tr23	2SB324	〃		1	
Tr301	2SK49F	〃		1	
Tr302	2SC1359	〃		1	
Tr303	2SC1047	〃		1	
Tr304	2SC1675	〃		1	
Tr305, 306, 307					
	2SC1359	〃		3	
Tr308	2SC945	〃		1	
		INTEGRATED CIRCUITS			
IC1, 2	BA313	Integrated Circuit		2	
IC301	M5132P	〃		1	

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
		CERAMIC FILTER		
CF301	SFE107MA5	Ceramic Filter	1	
		DIODES & RECTIFIERS		
D1, 2	1S2473LF	Silicon Diode	2	
D3, 4	1S1211	〃	2	
D5, 6	1S2473LF	〃	2	
D7	MA26	〃	1	
D8	1S2473LF	〃	1	
D9, 10	SIB0102	〃	2	
D301	MA150	〃	1	
D302	1S2687AA	〃	1	
D303, 304	0A90	Diode	2	
D305	MA150	Silicon Diode	1	
D306	0A90	Diode	1	
D307, 308	MA150	Silicon Diode	2	
D309, 310	0A90	Diode	2	
D311	MV121	Silicon Diode	1	
D312	MA150	〃	1	
D313, 314	20A90	Diode	2	
D315	RD62EB	〃	1	
D316	QVDLN25DLC	Illuminated Diode	1	
D317, 318	MA150	Silicon Diode	2	
D320	0A90	Diode	1	
		TRANSFORMERS		
T1, 2	QLAT0104	Input Transformer	2	
T3, 4	QLT2H7B	Output Transformer	2	
T5	QLPN32BLB	Power Transformer	1	
IFT301	RLI4M101M	FM IFT	1	
IFT302	RLI4M302M	〃	1	
IFT303	QLI2Z101M	AM IFT	1	
IFT304	RLI4M302M	FM IFT	1	
IFT305	RLI2M205M	AM IFT	1	

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Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
IFT306	RLI4M302M	FM IFT	1	
IFT307	RLI2M402M	AM IFT	1	
IFT308	RLI4M509	FM IFT	1	
		COILS		
L1, 2	QLQZ6423Z	Bias Trap Coil	2	
L3	QLB0177	Oscillator Coil	1	
L4	QLP0105	Choke Coil	1	
L5, 6	QLP0114	Noise Prevention Coil	2	
L301	ELQ5N63S	FM Antenna Coil	1	
L302	ELQ5N45S	FM Collector Coil	1	
L303	ELQ5A24R	Choke Coil	1	
L304	RLO4Y53	FM Local Oscillator Coil	1	
L305	QLA3M7M	SW Antenna Coil	1	
L306, 307	ELR14B6012	AM Bar Antenna	1	
L308	RLO3M14	SW Local Oscillator Coil	1	
L309	RLO1M1	LW Local Oscillator Coil	1	
L310	RLO2M4	MW Local Oscillator Coil	1	
L311	QLH2011	Filter Coil	1	
L312, 313	EULBMC001K	〃	2	
L314, 315	QLM102	Trap Coil	2	
L316	ELQ5A30	Choke Coil	1	
L317, 318	QLP0114	Noise Prevention Coil	2	
L319	QLPT0002	〃	1	
		SWITCHES		
S1	QSSG202T	Slide Switch (Record/Playback Selector)	1	
S2	QSST0045	Slide Switch (Source Selector)	1	
S3	QSS6207T	Slide Switch (Tape Selector)	1	
S4	QST3203T	Lever Switch (Mode Selector)	1	
S5	QSS1115A	Slide Switch (Beat Proof)	1	
S6	QSB0169M1	Leaf Switch (Motor ON/OFF)	1	
S7	Refer to E6	AC/DC Selector (Built-in AC Socket)	(1)	
S8	QSR0005B	AC Voltage Select Switch	1	
S50, 51, 52, 53	QSWX402E	Push Switch (Band Selector)	1	

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
		ELECTRICAL PARTS		
E1	QWY4113Z	Record/Playback Head	1	
E2	QWY2122Z	Erase Head	1	
E3	EAS12P70SF	Speaker	2	
E4	EAS3KH01SD	Tweeter	2	
E5	QSL1093LNM	Level Meter	1	
E6	QJS0316H	AC Socket	1	
E7	QTW1133	AC Socket Cover	1	
E8	WM097	Condenser Microphone	2	
E9	QBGT0067	Microphone Supporter	2	
E10	QJA0915A	Pin Jack	2	
E11	QJA0125	M3 Jack (EXT SP)	2	
E12	QJA0129H	M3 Jack (MIC)	2	
E13	QJA0126	M2 Jack (REMOTE)	1	
E14	QJA0238	Headphone Jack	1	
E15	RJS111YA	DIN Jack	1	
E16	QJA0137	DC IN Jack	1	
E17	QYLT0001	Dial Indicator Assembly	1	
E18	QGDK0018	Dial Scale	1	
E19	QXBT0025	Push Button	4	
E20	QBJ2206	Selector Knob Spacer	1	
E21	MRB6MN66	6P Connector-A	1	
E22	MRB6FN66	6P Connector-B	1	
E23	QJS0128	Connector Terminal-A	5	
E24	QJT0056	Connector Terminal-B	5	
E25	MRB4MN66	4P Connector-A	1	
E26	MRB4FN66	4P Connector-B	1	
E27	QJP1929KNL	9P Header	1	
E28	QJS1929KN	9P Housing	1	
E29	QJP1928KNL	6P Header	1	
E30	QJS1928KN	6P Housing	1	
E31	QJP1927KNL	5P Header	1	
E32	QJS1927KN	5P Housing	1	
E33	QJP1926KNL	3P Header	1	

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Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
E34	QJS1926KN	3P Housing	1	
E35	QJT1051	Contact	1	
E36	QKJK1041	Source Select Lever	1	
E37	QMLT0159	Tape Select Lever	1	
E38	QHQT0020	Screw (for E36)	2	
E39	QHQ1203	Screw (for E37)	2	
E40	QBJT0102	Jack Board	1	
E41	QTQH0021	Heat Sink (for Tr17, 18, 19, 20)	2	
E42	QTH1033	Heat Sink (for Tr23)	1	
		CABINET PARTS		
G1	QYMT0031	Main Body Case Assembly	1	
G1-1	QKH1119A	Handle	2	
G1-2	QKHT0034	Handle Grip	1	
G1-3	QMAT0082	Handle Reinforcement Metal	1	
G1-4	QBPK0071	Handle Holding Plate	2	
G1-5	QKJ0130A	Handle Spacer	2	
G1-6	QMZT0007	Handle Spacer-B	2	
G1-7	XUC4FT	Stop Ring 4ϕ	2	
G1-8	XSS3+8BVS	Screw $\oplus$3×8	2	
G1-9	QMLT0161	Tape/Radio Selector Knob	1	
G1-10	QMLT0162	Tape Selector Knob	1	
G1-11	XTN26+6B	Screw $\oplus$2.6×6	1	
G1-12	XTS26+6B	〃	1	
G1-13	QJBT0040	Battery Terminal Spacer	1	
G1-14	QJBT0041	Battery Terminal	2	
G1-15	QJBT0042	Battery Spring Spacer	1	
G1-16	QJB0025	Battery Spring	2	
G1-17	XEART196FBY	Rod Antenna	1	
G1-18	QMST0095	Tuning Shaft	1	
G1-19	QXAT0018	Tuning Shaft Holding Metal	1	
G1-20	QXAT0017	Roller Holding Metal	1	
G1-21	XUC5FT	Stop Ring 5ϕ	1	
G1-22	QDP1678	Roller	9	
G1-23	QBJ2167A	Snap Washer	4	

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
G1-24	QTQ0022	Dial Drum	1	
G1-25	TK1564	Dial Rope	(1)	
G1-26	QBTT0055	Dial Spring	1	
G1-27	XSN3+8S	Screw ⊕3×8	2	
G1-28	XWG3	Flat Washer	2	
G1-29	XSS3+6S	Screw ⊕3×6	1	
G1-30	XNH10GBW	Nut 10φ (Antenna Holding)	1	
G2	QYPK0010W	Front Panel Assembly (Without Speaker)	1	
G2-1	QYFK0069	Cassette Lid Assembly	1	
G2-2	QYQT0255	Cassette Lid Holding Metal-A	1	
G2-3	QXAT0016	Cassette Lid Holding Metal-B	1	
G2-4	QBNT0023	Cassette Lid Spring	1	
G2-5	QKTT0126	Cassette Lid Lock Metal	1	
G2-6	QKTT0127	Lock Metal Spacer	1	
G2-7	QBT1580DM	Lock Metal Spring	1	
G2-8	XTN3+8B	Screw ⊕3×8	2	
G2-9	XTW26+8B	Screw ⊕2.6×8	1	
G3	QYMK0077	Rear Panel Assembly	1	
G3-1	XAN3K	Neon Lamp	1	
G4	QYMT0037	Controller Panel Assembly	1	
G5	QYFT0081H	Battery Cover Assembly	1	
G6	QYTK0002	Tuning Knob	1	
G7	QYT0386	Volume Knob	4	
G8	QKT1154	Speaker Holding Metal	6	
G9	XTN3+8B	Screw ⊕3×8	6	
G10	XTN35+65BFV	Screw ⊕3.5×6.5	7	
G11	XTN3+20BFV	Screw ⊕3×20	1	
		ACCESSORIES		
A1	QFC1103	AC Power Cord	1	
A2	QJP0959A	Erase Plug	1	
A3	QFTC07L003NZ	Cassette Tape	1	
A4	QQT2159	Instruction Book	1	

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Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
		PACKINGS		
P1	QPNK1110	Inside Carton	1	
P2	QPNT0193	Inner Cushion-L	1	
P3	QPNT0192	Inner Cushion-R	1	
P4	XZB40X60A05	Poly Bag	1	
P5	QPST0019	Accessory Spacer	1	